

BASKETBALL TEAM WINS THIRD STRAIGHT GAME

VARSITY CAGERS TAKE EASY GAME WITH PRATT INST.

Rough But Satisfying Game
To Spectators—Yearlings
Beat Exeter Team

HARRISON OUTSTANDING

In a rough and tumble basketball game, the Technology five won its fifth game of the year and the third one straight, defeating Pratt Institute of Brooklyn, 32-23 last Friday night in the Hangar Gym.

At the outset of the game it looked as if it would be a fast match with a great deal of scoring on the part of both teams. However, after about the first ten minutes had elapsed, it turned into a combination football and wrestling match. Before the contest was concluded, four men had left the game because of four personal fouls apiece, and a total of seventeen penalties was called on the Pratt five. Motter and Harrison were both removed by request of the referee.

Institute Holds Lead

In the first few minutes both teams did a considerable amount of scoring, M. I. T. having the lead from the very start of the game. This advantage was maintained throughout although it never exceeded nine points. The score at the half was 17-11, and after a scare by the Pratt team, when it closed this gap considerably at the beginning of the second period, the Beavers resumed the handy margin and held it.

It was Harrison's night, in more ways than one. In spite of the fouls, which are unusual offences for "Johnny," he was responsible for thirteen of his team's points. Most of his five field goals were made on beautiful shots. The baskets made after the roughness had gotten under way were almost all of this sort. This was about the only way possible to score, as the rough guarding prevented all other methods.

After Harrison in the high score line came Otis, center on Pratt, with nine points, Francis, guard on the same team, with seven and Feustel and Johnson with six each. Sysko, with a total of five, made his two (Continued on Page Three)

BEAVERS WILL MEET TEMPLE, BOWDOIN

Technology Competes With Two Teams in Walker

With a record of two victories and two defeats, the Technology gym team meets Temple and Bowdoin in triple meet March 6 in Walker Gym.

A close match, with Temple, at least, is predicted, for Temple was defeated by Princeton by about the same margin as Technology, and the Engineers are expected to beat Bowdoin without much difficulty.

Some hot competition is expected, with Freeman on the high bar, Ericson working on the parallel bars, and Abbott doing the tumbling. These men have shown up well in previous matches and are expected to give good accounts of themselves.

Knapp Holds Rope Record

Knapp, captain of the Engineer team, set a new low mark for the season in the last meet with Dartmouth, in the rope climb when he made his ascent in five and two-tenths seconds.

The following men will represent the Institute in the triple meet:

Horizontal bar: Freeman and Getting.

Side Horse: Knapp (capt.), Getting and Lawsine.

Flying Rings: Lawsine, Treadwell and Rosen.

Rope Climb: Knapp, Ericson and Barnett.

Parallel Bars: Barnett, Treadwell and Ericson.

Tumbling: Abbott and Freeman.

Assistant at Electrical Department Colloquium



Mr. George A. Perley

Former Officer Will Cooperate With Colloquium Graduate From University of New Hampshire to Aid Presentation

For the first time at the Institute three men will lead a colloquium of the Electrical Engineering Department. Mr. George A. Perley will collaborate with Mr. I. Melville Stein and Mr. J. C. Peters, Jr., in the presentation this afternoon and tomorrow afternoon from 2 o'clock to 4 o'clock in room 10-275.

After being engaged in undergraduate work in Chemical Engineering at the University of New Hampshire and in graduate work in Physical and Electrochemistry at Cornell, in 1910, Mr. Perley became Works Manager of the Albany Lubricating Company of New York City. From the following year until 1917 and from 1919 to 1929 he acted as an instructor and associate professor of Industrial Chemistry at the University of New Hampshire.

Promoted to Major

During the two years following 1917, Mr. Perley attained the rank of Major in the Officers Reserve Corps of the Ordnance Department of the United States Army while in charge of the Ammonia Oxidation Unit of the Nitrogen Fixation Plant of the Ordnance Department.

From 1919 until the present he has been chief of the Chemical Division of the Research Department of the Leeds and Northrup Company. Author of fifteen scientific papers in American chemical journals, from 1909 to 1929, upon photochemistry, storage batteries, oxidation of ammonia, rare elements, and sulphuric acid, he is a member of the American Chemical Society, The Electrochemical Society, The Franklin Institute, Sigma Xi, and the chemical fraternity of Alpha Chi Sigma.

Freshman Crew Man Has Icy Ducking in Charles

Grunt, splash, brrrr!
The days are growing longer and the weather warmer but the Charles is still plenty cold. Ask the man who knows. Ralph N. Geil, bow man on one of the freshman crews caught a crab as his shell swept down the river and swish, head over heels he went into the icy water. Man overboard was sounded and the launch came to the rescue and Geil was rescued none the worse for his ducking.

REQUIREMENTS TO BE STIFFENED; WILL DROP LAGGARDS

Overcrowding of Institute May
Make It Necessary to Raise
Scholarship Standards

700 ALUMNI AT DINNER

Before the third largest Technology Alumni dinner in the history of the Institute, Chairman Stratton and President Compton issued the significant statement that due to the fact that the present equipment of the Institute is being taxed to capacity, some means may have to be derived whereby a higher degree of selectivity is used in choosing students. To this end, the entrance requirements will not be altered but rather by increasing the severity of the regulations which determine whether or not a student may remain at the Institute.

The annual mid-winter dinner took place in the Hotel Statler ballroom last Saturday night, with a large gathering of Technology graduates on hand and for the first time, the wives of the Alumni were present. Preceding the dinner, the guests were entertained by an exhibit prepared under the direction of Bursar Horace S. Ford which included several motion picture reels of Technology views and a number of unique experiments from the physics departments.

Oldest Graduate Speaks

First speaker of the meeting was Robert H. Richards '68, oldest living graduate of Technology who recounted a few of his experiences during the early days of the Institute. He was followed by Professor Dugald C. Jackson, head of the Department of Engineering, who spoke on the subject of education and its relation to engineering. "Engineering education," he said, "as conceived and carried on in renowned engineering schools of the country has been one of the most fruitful features of American education in the past half century and during the last quarter century it has had a notably steady influence on educational practice."

Brilliant Display

Under the direction of Dr. Thomas J. Killian '25, of the Department of Physics, the guests were treated to a spectacular display of colors arising (Continued on Page Four)

COMBINED CONCERT AND DANCE FRIDAY

Musical Clubs of Technology And B. U. Announce Chaperons

Combining the musical offerings of Technology and Boston University in a concert and dance for the students of both institutions, the first of the popular priced concerts will be given at the Hotel Somerset on Friday, March 6. To the concert itself, Technology's combined musical clubs contribute the selections of the instrumental club, the banjo and the Glee club, and Boston University offers the men's and women's glee clubs.

President and Mrs. Karl T. Compton, President and Mrs. Daniel L. Marsh of B. U., Mrs. Robert P. Bigelow and Mrs. Hall have been selected as the chaperones for the affair. There will be continuous dancing from about ten-thirty till two, to the music of the Technicians and the B. U. Buccaneers, a feature which has never been tried in the past. The concert will begin at 8.45 instead of 8.30 as previously announced.

Tickets Now on Hand

This is one of the few large affairs being held outside of Walker Memorial this year and as a result the admissions are slightly higher than they would be otherwise. Stag tickets will be \$1.50 and couples will cost \$2.50, as no attempt is being made to discourage stags as was done at the Christmas concert. The tickets will be on sale all week in the main lobby from 12 o'clock till two, or they may be had at the musical clubs office after five o'clock, or from members of the clubs.

HOCKEY TEAM WILL END SEASON WITH BROWN U.

Former Institute Man Will Aid Presentation



Mr. J. C. Peters, Jr.

Engineer Assists In Demonstration At E. E. Colloquium Measurements Will Be Topic Of Today's Electrical Colloquium

Recently an instructor in Electrical Engineering and Graduate student at the Massachusetts Institute of Technology, Mr. J. C. Peters, Jr., of the Research Department staff of the Leeds and Northrup Company, will assist Mr. I. Melville Stein and Mr. George A. Perley of that company in the presentation of an Electrical Engineering colloquium this afternoon and tomorrow afternoon from 2 o'clock to 4 o'clock in room 10-275.

During 1922-1923 Mr. Peters was employed in the Research Department of the Leeds and Northrup Company; in 1924 he received the degree of Bachelor of Science in Electrical Engineering from Penn State. After being employed in the Research Department of the Leeds and Northrup Company in the next two years, he studied for a year as a graduate student in Physics at Columbia University, receiving his degree of A.M. in Physics in June, 1927.

For two years he was an assistant in Physics and a graduate student at Columbia University, after which space of time he became in 1929-1930 an instructor in Electrical Engineering and a graduate student at the Massachusetts Institute of Technology. In July of 1930 he returned to the Leeds and Northrup Company as a member of their Research Department staff.

START LECTURES ON ATOMIC STRUCTURE

Professor Blanchard will give the first of his annual series of lectures on Atomic Structure at eight o'clock Tuesday, March 3, in room 10-250. This course consists of ten lectures to be given on successive Tuesday and Friday mornings. Two examinations will be given for those desiring credit for the course.

Redemption of Prom Signups Begins Today

Redemption of the Prom signups will begin today and continue all week. The difference, \$8.50, between the cost of the sign-up and the full price must be paid at this time. The engraved invitation, bearing the partner's name will be given out when the full payment is made.

EXPECT BROWN MEN TO PRESENT STRONG TEAM AGAINST M.I.T.

Ben Hazeltine, Penn Hall and
Horace Ford Play Last
Games Here

GAME AT PROVIDENCE

Three veterans play their last game with the M. I. T. hockey team when it faces Brown University at Providence tonight. Seniors Ben Hazeltine, Penn Hall, and Horace Ford will wind up their careers on the ice at the game. These men have been the mainstay of the hockey squad through several seasons, performing on the Beaver team for the past three years.

Captain Hazeltine has been the best defense man the Beaver team has had for several years. His performances this season have done much to keep the opponents' scores as low as they have been. Besides he has been very much in the offensive attacks that have resulted in what scoring Technology has done this season.

Hall is Fast Man on Ice

Penn Hall is the fastest skater on the Technology team. He has handled the puck nicely throughout the season to be one of the higher scorers on the squad. Hall has made himself noticed in each of the games for his speed and stick work.

Horace Ford is the third of the men who play their last game tonight. He has played left wing on the first string through the season, and has tried rather hard to get some co-operation in the front line this year.

Other men making the trip to Brown this evening include Whiston at goal, Orbanowski at right wing, and Fahey at right defense. Spares include Regan, Cochran and Hayes.

Freshmen Also Meet Brown

During the intervals between the quarters of the Varsity game, the freshmen teams of the two schools will play. The first year team has Patch at goal, Hrones at left defense, Schmalz at right defense, Thompson at center ice, Mullen right wing, Williams at left wing. Spares include Silverman, Reynolds, De L'Etoile and Burton.

M. I. T. ARMY RADIO STATION WINS PRIZE

Two Men Work Entire Night To Win Contest for Area

Frank J. Bleil '33 and Larry Jacobson '33, radio operators of the M. I. T. Army radio station have won the competition in the First Corps Area for communicating with more stations throughout the United States than any other Army station in the New England Area. The results were announced by the Army Control Station W3CXM last Monday night and the prize will be announced later.

All Monday night, February 2, from 6 P. M. to 6 A. M., the two operators worked feverishly to amass as many points as possible. A contact with another army station counted one point and another point was given for each message transmitted. The M. I. T. Station had a total of 120 points.

Much Interference

The night was one of the worst experienced in the last several years in regard to interference, a television station in Boston causing most of the trouble. Stations were worked from Maine to California and from Texas to the Dakotas.

Captain George S. Eyster, the supervisor of the Signal Corps Unit at the Institute, is in charge of the station and the Radio Society's 80-Watt set is used. Monday nights are the official nights for the broadcasting. All the other colleges with R. O. T. C. units have stations and messages travel from one end of the country to the other. Another of these contests will be held on Monday, March 16.

REDEEM YOUR PROM SIGNUP IN MAIN LOBBY

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Continuons
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For 50 Years



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Organ of the
Undergraduates
of M. I. T.

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In charge of this issue: W. L. Sheppard '33

UNNATURAL RESTRAINT

WHY is the picture of a grandstand filled with students singing Technology songs and shouting Technology cheers practically laughable? Why is there such a deplorable lack of any enthusiastic show of school spirit at the Institute? Certainly the entering men who attend Freshman Camp have every opportunity of becoming saturated with such a spirit, yet as soon as they register, this animation dwindles into nothingness.

The trouble lies in the atmosphere of the Institute itself, which seems to subdue any extra expenditure of our energies toward which might be termed "play." The instruction is seriously technical and as such offers little opportunity for self expression, consequently any "collegiate" tendencies are promptly damned by general student opinion. Yet, this does not necessarily prove that Technology means no more to the average student than a convenient educational institution. Even though the undergraduate body in the majority is too lazy or too selfish to make any great show of enthusiasm for the school, there exists among these men a calm respect and admiration for the Institute.

Mere unexpressed respect, however, cannot build up the loyalty that might be inspired through a larger attendance of the athletic meets and similar school functions. There is something in cheering a team, winning or losing, that brings a finer respect and pride. The Institute deserves all of our loyalty and devotion, and we do give it no small amount, but so long as this condemnation of actual enthusiasm continues, we shall never properly respect Technology as an institution of which we are integral parts.

EXPERIENCE BY PROXY

IT IS a well recognized fact that the greatest hindrance to the young engineer entering the field of actual operations is his lack of experience. To overcome this, many schools have instituted cooperative courses, but for the larger group of students who do not have the advantages of such a course the reading of technical journals offers the best means of becoming acquainted with the current problems and present-day practices in the fields which they expect to enter.

While such reading does not offer the equivalent of actual experience, it does give the student engineer an opportunity to see how the theory he studies is put into practice. What, in the end, is an engineer? Is he a wizard with a super-knowledge of formulae and theories, or is he a man who can take what theory he finds necessary and apply it to the solution of his problem? In addition to a knowledge of theory, which is no small part of the successful engineer's stock-in-trade, there must be the capability of applying it.

With the short period allotted them in which to present such a gigantic mass of theoretical material as is included in an engineering education, most schools are forced to omit the practical training. Any training of this kind must be obtained by the student himself, and with classes and preparation occupying such a large portion of the Technology student's day, any means of obtaining such information which requires more than a small amount of time is automatically eliminated.

With such restrictions in regard to time, the most feasible way of keeping in contact with the field, of learning the problems of practice, of becoming acquainted with the methods used in the applications of theories, is through the regular and continued reading of some recognized technical journal. Such a course is recommended to Technology students.

Only About Two Per Cent of Students Drink Says Billy Sunday in Interview

Thinks Engineers Have Better Chance To Feel Existence Of Supreme Power

"I think that only about two per cent of college students are drinkers. I certainly believe that drinking in the colleges has been very much lessened since Prohibition. This talk of student drinking is merely false propaganda from a group who would have our country returned to the evils of pre-prohibition."

So did Billy Sunday, the fiery, acrobatic preacher, give his opinion of student drinking in a special interview to THE TECH when he came to Technology last week and addressed one of the greatest crowds that ever jammed 10-250.

The interview was granted while walking through the corridors and up the steps to the lecture hall. Mr. Sunday was so pressed for time that the interviewer could see him only from the moment he entered the building to the time when he entered the lecture hall.

Billy Eagerly Gives Opinions

But Billy was very cordial and very eager to give his opinions on the various questions of college life. He threw his arm about the reporter and together the two walked through the corridors and up the stairs to the lecture hall. The interviewer asking questions, and Mr. Sunday answering each one with emphatic points.

Asked if he thought a technical education tended to make a man lose faith and to doubt a Supreme Being, the evangelist's reply was most emphatic. "No, certainly not. A man who has received technical training needs religion as much as anyone else, if not more. The very fact that he deals only with material things tends to increase his craving for something spiritual and for something by which his soul can express itself. Engineers and scientists have even more chance than the average man to feel the existence of God."

Technical Vs. Liberal Education

When asked which he thought better, a fine arts education or a technical education, Mr. Sunday refused to commit himself. "That depends on the man," he said. "Both kinds are equally

(Continued on Page Four)

AS WE SEE THE MOVIES

The Conquering Horde, Fenway and Scollay Sq. Theatre. Historical epics have often been filmed for the motion pictures, each one so outdoing its predecessors, as to draw unworthy superlatives. "The Conquering Horde" can hardly be called such an "epic" but it does portray one of the most interesting periods of American history and even though it does not possess any number of spectacularly awesome sets, to which so many recent productions have attached undue importance, it does have its moments of immensity and beauty.

The portion of American history which the story portrays is the drive of the Texas cattle, which took place annually over a thousand miles to the railroad in Kansas. The Texans depended on this long drive for their market and therefore for their livelihood, and the plot of the picture concerns itself with the first such undertaking after the railroad had announced it would not pass through Texas.

There are a number of small tricks used to hold the interest which detract from the picture, one of which concerns a group of villains who try to wreck the drive, but these are merely used as a carry plot to present the historical part. Marvelous shots of the cattle on the drive, the bad weather which they meet and the trouble with the Indians, furnish the true interest in the story.

Richard Arlen plays the part of a government agent who is sent from Washington to investigate unrest in the state of Texas, due to the railroad's announcement that it would not go through that part of the country. He arrives in time to advise Taisie Lockwood (Fay Wray) whose father was killed in the Confederate Army, and who faces the loss of her property because of the lack of a market for her cattle, to drive them to the railroad in Abilene, Kansas. The drive, which is the main part of the picture, is most compelling in its realism and ends in a stampede which practically wrecks the city. But everyone realizes the tremendous benefit to both Abilene and Texas and the citizens make merry throughout the town.

The acting is far below par. Both Mr. Arlen and Miss Wray have played parts more interestingly and more humanly. It may be the little inroads on the plot which robbed their characters of their human appeal. But it is not so noticeable as it might be, for in a picture like "The Conquering Horde" the acting, after all, is only secondary.

D. D.

Physical Defects Of Students Are Many And Varied

Varsity to Meet Tufts Tonight In Hangar—Freshmen Teams Also Play

Many and varied are the physical defects found in the students at Technology during the course of the many physical examinations that are given every year. Last fall, when examinations of all undergraduate students, except the co-eds who are excused, had been completed, it was found that there were 827 who had some physical defect.

Of course, those having certain physical weaknesses are not permitted to participate in athletics, but the greater number of those classed as red-star men, those with some bodily defect, are not forbidden to take part in athletic events.

Most Have Defective Vision

The largest single group in the list is made up of those with defective vision. They number 269. Among these are the far-sighted, the near-sighted, and those inclined to astigmatism.

The second group in order according to the number in it, is that composed of students whose ailment is hypertension, 152. Albumenuria is the physical defect of 119 students.

Underweights, and there are 62 of them, have a good chance to improve themselves during the year by proper diet and exercise. Glycosuria, a common defect, was found in as many as 30 men.

More easily corrected is improper posture, observed in 14 members of the student body. Defective hearing as well as hernia each had 11 students in its list.

Some Tonsils Still Left

Infected tonsils were present in nine men, while five had asthma, four had flat feet, and an equal number had varicose veins. Three were found with defective teeth, one with bursitis, and two who had had infantile paralysis.

There are 66 men under observation at the present time. More about these students can be found only by a series of examinations.

A great number of these men are excused from physical training and they are barred from sports in which they might wish to participate.

AWAY FROM THE GRIND

Walker Memorial was again the scene of Technology's social activities Friday evening when the Sophomore class held its annual dance from nine till two. About 150 couples enjoyed dancing to the music of Roy Lamson's Harvardians, who furnished the necessary syncope for the evening's festivities.

Chaperons for the function were Mrs. Karl T. Compton, Mrs. Horace S. Ford, and Mrs. Wallace M. Ross. Guests were presented to the chaperones by members of the dance committee. During intermission from 12 to 12:30 o'clock refreshments were served.

Forty states and six nations were represented in the freshman class at Yale University this year.

ALUMNUS HONORED BY CANADIAN ENGINEERS

S. G. Porter '03, Elected Head Of Engineering Institute

Sam G. Porter '03, manager of the department of natural resources, Canadian Pacific Railway, was elected president of the Engineering Institute of Canada at its annual meeting held in Montreal the early part of this month.

Mr. Porter, who received a degree from the Department of Civil Engineering attended Baylor University before coming to the Institute. Upon graduation he began work with the U. S. Bureau of Reclamation as an assistant engineer. Later he became chief engineer of the Arkansas Valley Sugar Beet & Irrigated Land Company, at Holly Colorado.

In 1913 he went to Canada to enter the Dominion irrigation office at Calgary. He was later promoted to assistant chief engineer and acting commissioner of irrigation. In 1918 he became connected with the Canadian Pacific, and in 1927 he was appointed to the position he now holds with that company.

NOTICE

Because THE TECH sometimes has considerable trouble in obtaining information of social events that take place among the undergraduates, request is made that those desiring notices of such affairs to appear in "Away from the Grind," please leave information at the News Room in the basement of Walker Memorial.

A professor of dermatology at George Washington university recently presented his class with a large jar of hard candies. He says the gift was in return for the kindness shown by the students, who found out that he liked cough drops and so brought him a box every day of the year.

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VARSITY CAGERS TAKE EASY GAME

(Continued from Page One)
field goals by sneaking through the Pratt defense and scoring both with wide open shots under the basket. The crowd got a great deal of pleasure out of this.

Referee "Smoky" Kelleher had his hands full all during the game, calling at one time, a technical foul on the Pratt squad for booing him from the bench. The team as a whole did not seem to agree with all his decisions, an argument almost ensuing once between Kelleher and Fink after a foul had been called on the latter.

The game was a stiff ordeal for the popular M. I. T. official.
Yearlings Beat Tilton

With O'Brien leading on the score sheet, with seventeen points, eight baskets and one foul, the freshman team trimmed Tilton School in a fast match, the final score giving Technology 42, and Tilton 25. The Beavers seemed to lead the opponents at every hand, and were able to play their own game at the expense of the prep boys.

Second high scorer was Oldham, the right forward, who totaled ten points, this mark exceeding anything that the Tilton team was able to produce. All the counters to the credit of the Institute were made by the efforts of

WALCOTT LEADS IN BOWLING TOURNEY

After the first week of bowling in the dormitory league tournament, last year's winners, Walcott, look as if they are about to repeat their victory this year. They won their match and scored the highest total of all the teams in the League. Several men showed promise by bowling exceptionally high scores, the highest being Nel-

son of Walcott, with 110, and Conn of Hayden with 109 points.
The standing of the teams for the first week are as follows:

Pts.		Pts.
4	Bemis	1
4	Wood	1
4	Goodale	0
4	Atkinson	0
4	Holman	0
3	Crafts	0

At the University of Toronto it was voted by 1365 men that beer be sold on the campus. * * *

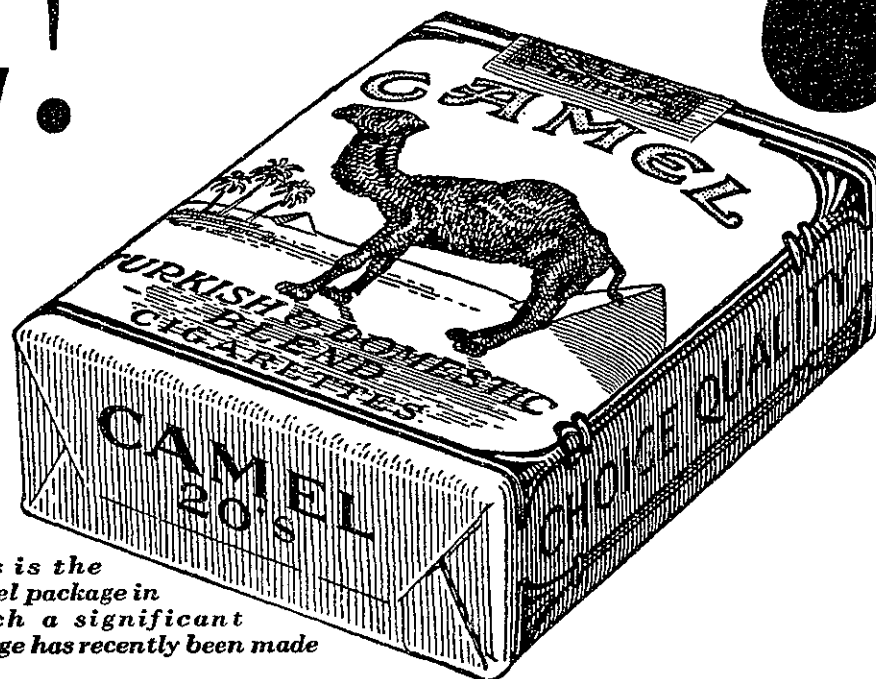
The oldest freshman in the world is 72 years old and obeys the frosh rules at the University of Chicago.

CHESS TEAM PLAYS TO PROBABLE DRAW

Technology's chess team played Wells Memorial on Friday night with a score of two wins, two losses and an undecided match which will probably be adjudged a draw. With the exception of a game last week the team has been winning quite consistently and is well up in the New England chess league. There will be a game next Friday with the chess team of the Cosmopolitan club of Boston.

Thirteen dollars was found to be the cost of an average date at Purdue.

The CAMELS! are coming.



This is the Camel package in which a significant change has recently been made

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for the best answers to this question:

What significant change has recently been made in the wrapping of the CAMEL package containing 20 cigarettes and what are its advantages to the smoker?

First Prize, \$25,000

Second Prize, \$10,000 Third Prize, \$5,000

For the five next best answers . \$1,000 each

For the five next best answers . \$500 each

For the 25 next best answers . \$100 each

Conditions Governing Contest:

- 1 Answers limited to 200 words.
- 2 Write on one side of the paper only.
- 3 No entries accepted that bear a postmark later than midnight, March 4, 1931.
- 4 Contest open to everybody except employees and executives of R. J. Reynolds Tobacco Company and their families.
- 5 In case of ties, the full amount of award will be paid to each of the tying parties.
- 6 It is not necessary to buy a package of Camel cigarettes in order to compete. Any store that sells cigarettes will permit you to examine the Camel package containing 20 cigarettes.

All communications must be addressed to Contest Editor—
R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C.

Wednesday Night Tune in the Camel Hour on N.B.C. Network

9.30 to 10.30 . . . Eastern Time
8.30 to 9.30 . . . Central Time
7.30 to 8.30 . . . Mountain Time
6.30 to 7.30 . . . Pacific Time

Over Stations

WJZ, WBZA, WBZ, WHAM, KDKA, WJR, WCAR, KYW, WLW, WRVA, WSJS, KWK, WJAX, WFLA, WIOD, WREN.

11.15 to 12.15 . . . Eastern Time
10.15 to 11.15 . . . Central Time
9.15 to 10.15 . . . Mountain Time
8.15 to 9.15 . . . Pacific Time

Over Stations

WHAS, WSM, WSB, WMC, WAPI, WJDX, WSMB, KTHS, WTMJ, KSTP, WECB, WKY, WBAF, KPRC, WQAI, KOA, KSL, KTAH, KGO, KECA, KFSD, KGW, KOMO, KHQ, KFAB.

Judges:

CHARLES DANA GIBSON
Famous Illustrator and
Publisher of "Life"

ROY W. HOWARD
Chairman of the Board,
Scripps Howard Newspapers

RAY LONG
President, International
Magazine Company,
and Editor of "Cosmopolitan"

AND STAFF

Contest open only until MIDNIGHT, MARCH 4, 1931

(Winners will be announced as soon as possible after contest closes)

OFFICIAL BULLETINS OF GENERAL INTEREST

Building Construction Mr. Thomas F. McSweeney Monday, March 2, 10:00 A.M., Room 1-134

A course of illustrated lectures on "The History of the Art of Building" will be given under the auspices of the Department of Building Construction during the second term by Mr. Thomas F. McSweeney '16. on Mondays, from 10:00-12:00 A.M.

Open to students and members of the instructing staff.

Colloquia Department of Electrical Engineering Monday, March 2 and Tuesday, March 3, 2:00-4:00 P.M. Room 10-275

Mr. I. Melville Stein, Director of Development, Mr. G. A. Perley, and Mr. J. C. Peters, Jr., Leeds and Northrup Company, "Practical Electrical Measurement and control of Non-Electrical Quantities."

Open to seniors, graduate students and members of the instructing staff.

Welding Mr. Peter P. Alexander Monday, March 2, 4:00 P.M., Room 4-156

A series of lectures on "The Metallurgy of Welding and its Industrial Application" will be given under the auspices of the Department of Mining Engineering and Metallurgy on Mondays, February 16-May 25 inclusive, by Peter P. Alexander, Research Engineer, Thomson Research Laboratory, General Electric Company.

Open to students and members of the instructing staff.

CALENDAR

Monday, March 2

2:00 P.M.—Colloquium, Department of Electrical Engineering, Room 10-275.
5:00 P.M.—Instrumental Club Rehearsal, East Lounge, Walker Memorial.
6:30 P.M.—Mass. Safety Council dinner meeting, North Hall, Walker Memorial.
6:30 P.M.—Alpha Phi Delta business meeting, Grill Room, Walker Memorial.
7:30 P.M.—Tech Show Orchestra rehearsal, East Lounge, Walker Memorial.

Tuesday, March 3

2:00 P.M.—Colloquium, Department of Electrical Engineering, Room 10-275.
5:00 P.M.—Banjo Club rehearsal, East Lounge, Walker Memorial.

Wednesday, March 4

1:00 P.M.—A. I. E. E. trip to Lynn River Works of General Electric. Leave from Main Lobby.
2:00 P.M.—A. I. E. E. trip to Lamp Factory of General Electric, leaving Main Lobby.
5:00 P.M.—Banjo Club rehearsal, East Lounge, Walker Memorial.
7:30 P.M.—Tech Show orchestra rehearsal, East Lounge, Walker Memorial.

Two Per Cent of Students Drinkers

Billy Sunday Gives His Views Of Drinking and Religion In Interview

(Continued from Page Two)

as good, and various circumstances determine for each student which one is better suited for him."

He was reminded of chapel services and was told that there was none at the Institute. "I do not think that chapel services at Technology are essential," he said. "There are many churches around the school and across the river which the students have access to and use. It is only when a school is removed from the proximity of churches that chapel service is necessary."

Students Attend Chapel for Benefit

When asked if he thought compulsory chapel should be a part of a school system and whether it created any distaste for religion, the famous evangelist replied:

"There is no reason why chapel services, if compulsory, should create any distaste for religion, any more than compulsory attendance of classes should harbor a distaste for education. Students go to chapel with the idea of deriving some benefit from it, and therefore go of their own accord, whether compulsory or not. For that reason chapel services need not be compulsory, but even if they were, it would make little difference in the attitude of the students."

Interesting Incident

An interesting incident occurred in the middle of the interview, just as the reporter and Mr. Sunday reached the top of the stairs. An elderly, white-coated gentleman timidly came forward and shook the preacher's hand while with dampened eyes he mumbled a few words of gratitude. Mr. Sunday smiled his big, generous smile, tapped the man on the back, thanked him, and exchanged a few words with the man in which he told him to "carry on." It was a very moving scene and undoubtedly affected the faithful, elderly attendant very much.

He went on to quote from a famous philosopher who said, "If you develop a man physically and not mentally, you have an idiot; if you develop a man mentally but not physically, you have a dwarf; and if you develop a man a man physically and mentally, but not spiritually, you have a criminal."

With this quotation the famed evangelist left the reporter to enter the jammed lecture hall where a loud cheer greeted him to Technology.

700 ATTEND ALUMNI MID-WINTER DINNER

(Continued from Page One)

from electric discharges in rare gases, including a miniature "Aurora Borealis" in a five-foot tube. Another striking experiment was the brilliant illumination of a bulb containing a small amount of iodine gas, when brought in the vicinity of a rapidly changing electromagnetic field. The experiments were clearly and simply described by Dr. Killian and enthusiastically received by members of the alumni and their guests.

Dr. Stratton welcomed the Alumni and briefly recounted the progress of the Institute during the past year and commented upon the success of the new plan of administration. Professor Edward F. Miller '86, Head of the Department of Mechanical Engineering related a number of humorous episodes between faculty and students in the "old days" and expressed the belief that the present generation had outdistanced their predecessors in the execution of ingenious pranks.

Report of President Compton

President Compton closed the formal part of the dinner with a brief but comprehensive report of the activities of the Institute in relation to their own problems and in the interests of general engineering applications. In regard to the former he reported that the greatest possible amount of revenue coming from the increase in tuition will be used in raising faculty salaries to a position much nearer the average remuneration than they are now.

He also reported on a number of important investigations and experimental researches which are now being carried on in the interests of general engineering practice, among these are the formulation of steam tables, the work of Professor William Hovgaard, of the Department of Naval Architecture in regard to stresses on steel hulls, the public health films, and other activities which are being quietly completed.

The dinner was presided over by Senator-elect Thomas C. Desmond '09, President of the Alumni Association and an efficient public speaking system greatly aided the words of the speakers in reaching all those present. Following the traditional singing of the Stein Song, the remainder of the evening was devoted to dancing and a further inspection of the exhibits on hand.

"Flunkers Frolic" is the title given to the annual party held for the benefit of all students who flunk out of Coe college at the end of the first semester. The chairman and queen of this function are elected because of their ability in not passing a single course while in college.

BEAVER GRAPPLERS SPLIT WITH BROWN IN FAST MAT MEET

Brown Heavyweight Wrestler Changes Defeat To Tie In Last Bout

FIRST YEAR MEN WIN 23-15

Tying the Varsity and winning the freshman meet, the Technology matmen engaged Brown University Saturday night in the Hangar Gym. A strongly-contested match was fought in every division, both by freshmen and the Varsity, with six bouts resting on decision by referee alone.

Climaxing a series of whirlwind tilts in which the Engineers held the lead, Teitz, Brown's burly heavyweight, brought the total score to a tie by downing Bailey with a half-Nelson and a crotch hold, in six minutes and fifty-five seconds. Bailey held the time advantage throughout the match, and was beaten only by the difference in weight, which was in Teitz's favor by some twenty pounds. Captain Pitbladdo and Vassalotti, representing the 145 and 155 pound divisions, respectively, won their matches by falls, neither of them taking any more than five and a half minutes.

Lightweight Matches Close

The three lightweight matches were long, hard-fought bouts, in which both antagonists were very closely matched, and in each of which a verdict was pronounced at the end of the time by Referee Mathers.

Wentworth, captain of the Brown wrestlers, and Woodworth, of the 165 and 175 pound classes, won points for the University. The captain downed Mostafa of the Engineers in a short but viciously contested tilt of only one minute and twenty-four seconds; Woodworth fought Snape in a grueling match lasting the entire allotted period, winning finally by the referee's decision.

Throughout the entire contest, the Beavers led the men from Providence. Ripin, however, lost to Chaset of Brown in the first engagement, by virtue of the referee's verdict. Then Van Buren of the Institute evened the score by doing the same to Kasdan in a long decision bout. The score was brought to 6-3 by Shea's winning over Stein by a decision.

Pitbladdo and Vassalotti Win

Pitbladdo, with a cross body hold telled his opponent, McSoley, in about three and three-quarters minutes, bringing the score up five points, and Vassalotti fought a hard bout with Spiwak, finally adding five points to Technology's total by a fall in five minutes and thirty-eight seconds. However, Brown's score was raised by Wentworth and Woodworth scoring five and three points for their total, respectively. This probably would have been different had not Woodworth's opponent, Snape of Technology, been wrestling out of his class and had he not been suffering from an injured shoulder.

Heavyweight Close Fight

For a finale, Bailey, representing the Institute, and Teitz, of Brown, staged the most exciting and most interesting bout of the entire evening. Both men were good wrestlers, only Teitz's superior weight was not far enough offset by Bailey's greater speed. Consequently, after nearly seven minutes Teitz had his opponent on the floor, bringing the sum total score of Brown University up to the equal of that of the Institute, a tie of 16-16.

Preceding the main bouts, the freshmen beat Brown by a score of 23-15, with Millikan, Pool, McCaughen and Stuart winning their bouts.

A. I. E. E. TO VISIT INDUSTRIAL PLANTS

Students to Travel to Lynn And East Boston Plants

Students interested in the manufacture of electric lights or in superchargers, air compressors, electric motors, turbines, or in large quartz mirrors should take advantage of the two trips which are planned by the M. I. T. Student Branch of the American Institute of Electrical Engineers on Wednesday.

At 1 o'clock a group will leave from the Main Lobby for the trip to the West Lynn Factory of the General Electric Co., where the various products are produced. Later at 2 o'clock another party will leave for the East Boston Lamp Works, where electric lights are made.

GRADUATE STUDENTS

Applications for Graduate Scholarships for the year 1931-1932 must be filed in Room 3-103 today, in order to receive consideration by the Committee on Graduate Courses and Scholarships at its March meeting. Late applications will be placed on file and considered in June if funds are available at that time.

Undefeated Captain of Technology Boxing Team



Carl W. Orleman, '31

M. I. T. Boxers Lose To Dartmouth In Bouts That Thrill

Orleman Is Still Undefeated Captain of Technology Boxing Team

In a closely contested meet the M. I. T. boxing team lost to the Dartmouth team Saturday afternoon in the Hangar Gym with a score of 4½ to 2½. As has been usual throughout the present season Captain Orleman won his bout in the 115 pound class. Cooper in the 175 pound class won by a knockout in a very spectacular match which drew much comment from the fans.

Cooper gave his opponent a twenty pound weight advantage but despite this was still able to give a knockout blow in the second round. The heavyweight class was won by Dartmouth on a default.

Orleman Undefeated This Season

Two men feature the M. I. T. offense. They are Orleman, captain of the team and Fred Cooper of the 175 pound class. Captain Orleman has been undefeated this season, having won already from his opponents at Navy, Yale, and Catholic University. His only defeat was when he was boxing out of his class in the meet with Army. Orleman is a Senior this year and has had a very successful career at Technology. Last year he was only defeated once in all the meets in which he was entered.

Fred Cooper a Sophomore has also had a very successful season this year. He has defeated Army and Coast Guard opponents, losing only to Navy, to a man who has not been defeated in the last three years.

MacDonnell in the 160 pound class succeeded in bringing a draw to his bout. This was his first fight and nearly knocked out his opponent in the first round. However, the Dartmouth man was in better condition and the referee finally called it a draw.

The summary is as follows:

115-pound class—Orleman (T.) defeated Veres (D.) Decision.
125-pound class—Peterson (D.) defeated Kalman (T.) Decision.
135-pound class—Rabinowitz (D.) defeated Bob Price (T.) Decision.
145-pound class—Bean (D.) defeated Sastre (T.) Technical knockout. Second round.

Walton Lunch Co.

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629 Washington Street
30 Haymarket Square
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242 Tremont Street
1083 Washington Street
44 Scollay Square
332 Massachusetts Avenue
19 School Street
437 Boylston Street
1080 Boylston Street
34 Bromfield Street
540 Commonwealth Avenue
204 Dartmouth Street
105 Causeway St.

Allston
1215 Commonwealth Avenue
Cambridge
78 Massachusetts Avenue

Freshman Track Team Loses Its Meet With Green

Records Broken by Beaver Runners—New Times for Mile and Half Mile

Setting two records in the attempt, the freshman track team was disappointingly close to winning from the Dartmouth team, at Hanover last Saturday afternoon. Charlie Hall, as expected, won the half mile, in the fast time of 2:2 4-5, setting a new record for freshman dual meets. The previous mark was over two minutes and nine seconds.

Mann set up another new mark in the mile, when he covered the distance in 4:42 3-5, to win the race of course. No other men in the meet came up to these performances, or either team, needless to say. However, four men from the Institute jumped over twenty feet in the running broad, two of them, Wrigley and Bell, bettering twenty-one feet, to take second and third places.

Bell also won the 60-yard dash, taking only six and three fifths seconds to do it, with Hime of Dartmouth, and Holladay, his own teammate following for a close third. Bell won the two-twenty as well as the shorter dash, this time with Allen, another Beaver, trailing him. By virtue of these three wins, Bell was the high scorer of the team, making thirteen points.

Hall gave a fine show, by coming in second in the mile, after having won the half in record time, and was not far behind Mann, also of M. I. T., when the finish came into view. Mann was expected to show well, but under the stimulus of the exciting events during the afternoon, he worked him self up into an unbeatable frame of mind, and went out and brought home the bacon.

Winerman, Jewett and Lockhart, all put the shot over forty feet. Winerman going so far as to take second against a remarkable man from Dartmouth. Tomlinson also entered, and his best mark was forty-two feet, nine inches but it was spoiled by a foul. This foul was so much in doubt, that the spectators voiced dissent which was amplified because the result of the meet would have been changed considerably, had it been allowed.

Wednesday afternoon, on the home track, the freshmen will meet Huntington School here, and by all present indications, they will have many of the events their own way. Although Huntington is excellent when rated as a high school, it has hardly the requisite strength to meet such a team as the freshmen have this year. Saturday will see the final gathering of the season take place on the board track, in the form of an inter-class meet including all men who wish to enter.

**THE PEN THAT WON'T
RUN DRY
DURING LECTURES
CHILTON PEN
CARRIES DOUBLE
THE INK**